

Clint Goss, Ph.D. – Resume

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Summary: A specialist in music facilitation and education, focused primarily on the Native American flute. Background includes a Ph.D. in computer science, an FAA flight instructor certificate, and a certificate in music facilitation from the Music for People organization. Recent work includes facilitation of 6–7 multi-day music workshops per year, expert testimony in intellectual property cases for music performance rights, and research in the physiological effects of music playing and listening. Since 1998, he and his wife, Vera, have engaged in technical assistance projects in developing countries and have visited 92 countries. He is also a musician on an array of world instruments, primarily ethnic flutes.

Music Facilitation – Workshops and Native Flute Schools

- Flute Haven Native Flute School, Phoenixville, Pennsylvania:
Sep 9–14, 2018 • Sep 8–15, 2017 • Sep 11–18, 2016 • Sep 13–20, 2015 • Sep 9–14, 2014 • Sep 10–15, 2013 • Sep 11–16, 2012 • Sep 13–18, 2011 • Oct 22–24, 2010 • Aug 16–22, 2010 • Oct 13–18, 2009
- Zion Canyon Native Flute School, Springdale, Utah:
Mar 4–9, 2017 • Mar 5–10, 2016 • Mar 21–26, 2015 • Mar 25–29, 2014 • May 12–17, 2012 • May 8–12, 2011 • May 1–6, 2010 • May 17–22, 2009 • Jun 8–11, 2008 • Jun 10, 2007
- Flute Camp Aotearoa, Wellington, New Zealand: January 17–20, 2014
- Native Rhythms Flute School, Melbourne, Florida:
Nov 8–10, 2018 • Nov 9–11, 2017 • Nov 10–12, 2016 • Nov 11–14, 2015 • Nov 8–10, 2013 • Nov 9–11, 2012 • Nov 11–13, 2011 • Nov 11–14, 2010 • Nov 13–15, 2009
- Musical Echoes Native Flute School, Ft. Walton Beach, Florida: April 23–24, 2015
- Tokyo Flute Circle, Tokyo, Japan: Jan 2019 • May 28, 2017 • Jan 23–24, 2016
- Flute Life Native Flute School, Shonan Village, Yokohama, Japan: Jan 2019 • Jun 2–4, 2017 • Jan 29–31, 2016
- Flute Harvest Native Flute School, Encino, California:
Oct 14–19, 2018 • Oct 22–27, 2017 • Oct 16–21, 2016 • Oct 18–23, 2015 • Oct 16–31, 2014
- Potomac Flute Festival workshops, Rockville, Maryland:
Jun 24–26, 2011 • Feb 22–24, 2008 • Feb 23–25, 2007 • Feb 17, 2006
- CRH Flute School, Plainsboro, New Jersey: April 23, 2011 • November 6, 2011
- Flute Quest Native Flute School, Kenmore, Washington: September 15–17, 2006
- Neuse River Flute Circle, Holly Springs, North Carolina: April 16, 2016
- Community Music-Making Playshop, Leesburg, Florida: January 21, 2017
- Omega Institute, Rhinebeck, New York.
Finding Your Long Lost Musician, with Julie Weber: May 18–20, 2007;
Entering the Now, with Amelia Barilli: August 22–24, 2008;
Native American Flute Introduction, part of *Bio-Guided Music Therapy* by Eric Miller: October 24, 2013.
- St. George Flute and Drum Festival workshops, St. George, Utah:
May 18–20, 2012 • May 8, 2010 • May 15, 2009

- International Native American Flute Association (INAF) Convention workshops, Eau Claire, Wisconsin: July 14–18, 2010 • July 9–13, 2008
- World Flute Society (WFS) Convention workshops, Eau Claire, Wisconsin: Aug 1–5, 2018 • Jul 29–31, 2016 • Jul 19–20, 2014
- Music Improvisation workshops, Escuela de Musica Victoriano Lopez, San Pedro Sula, Honduras: March 2008
- *In the Moment* music improvisation workshop, Trumbull, Connecticut: August 28, 2009
- Armadillo Flute Society Native American Flute Retreat, Flower Mound, Texas: Nov 16–19, 2006 • Nov 17–20, 2005 • Nov 18–21, 2004 • Nov 13–16, 2003

History as Expert Witness in Intellectual Property and Patent Litigation

- Advanced Monitoring System *vs.* NYSRWB, October–November 2010, Stamford, Connecticut.
- ASCAP *vs.* AOL, RealNetworks, and Yahoo, August 2008 – January 2009, involving licensing fees for digital music downloads.
- Yeda *vs.* NDC and NDS (News Data Service), July 2008 – June 2009, Tel Aviv, Israel.
- Prism *vs.* Johnson & Johnson, August 2006 – August 2007, New Brunswick, New Jersey.
- Reuters *vs.* Bloomberg, March 2004 – February 2006, New York.

History of International Consulting and Technical Assistance

Technical assistance on a pro-bono basis for businesses and NGOs in under-developed and developing countries:

- Gori, Republic of Georgia, March 2013: AgroKartli, rural farm development.
- Sachkhere, Republic of Georgia, January–February 2012: CNFA / Alva, rural farm development.
- Hebron University, West Bank, January–February 2011: Undergraduate classes in computer science and music facilitation.
- Luang Prabang, Laos, March 2009: ESL for monks of a Buddhist Monastery.
- Santa Bárbara, Honduras, February–March 2008: technical development for two coffee plantations.
- Lusaka, Zambia, February–April 2007: livestock and agriculture development.
- Nairobi, Kenya, February–March 2005: Undergraduate and professional classes in Internet technologies.
- Moscow, Russia, February–March 2004: Undergraduate course in Internet technologies.
- Varna, Bulgaria, February–March 2003 and February–March 2002: technology development and assistance.
- Windhoek, Namibia, March–April 2001: Web tech development for the National Chamber of Commerce.
- Calcutta, India, January–February 2000: Technology training seminars for Web-based application development.
- Harare, Zimbabwe, July–August 1998: Forecasting models and operations management systems.

History of Software Development and Consulting

- New York University, SCPS, New York, May–July 2000.
- Pfizer, Groton, Connecticut and Tokyo, Japan, January 1997 – December 1999.
- New York Stock Exchange / SIAC, New York, April 1993 – December 1996.
- Shark Information Services, New York, December 1992 – February 1993.

- Purvis, New London, Connecticut, June–October 1992.
- Strategic Information Systems, Hartford, Connecticut, April–May 1992.
- Singer-Link, Binghamton, New York, July 1991–March 1992.
- Transvik Systems AB, Madison, Connecticut, August 1989 – March 1991.
- Concurrent, Red Bank, New Jersey, March 1988 – June 1989.
- New York Stock Exchange / SIAC, New York, August 1987 – July 1988.
- AT&T, Summit, New Jersey, September 1987 – April 1988.
- Quadtree, Somerville, New Jersey, August 1986 – October 1988.
- Datapoint, Richardson, Texas, April–July 1986.
- Philon, New York, August 1981 – February 1986.
- Courant Institute, New York University, New York, August 1979 – August 1981.
- Bankwire, New York, May 1979 – August 1980.
- Incoterm, Wellesley Hills, Massachusetts, May 1977 – June 1979.

General Publications Related to Music

Includes scientific articles as well as publications for general audiences:

- *Native Flute Handbook* (Clint Goss and Vera Shanov), Sixth Edition, January 22, 2018, 428 pages.
www.NativeFluteHandbook.com
- “Native American Flute Ergonomics”. January 6, 2015, 13 pages, <http://arxiv.org/abs/1501.00910>
- *Flute Playing Physiology* (with Eric B. Miller). *Nordic Journal of Music Therapy*, June 6, 2014, 54 pages,
<http://dx.doi.org/10.13140/2.1.4064.0643>
- “Trends in Physiological Metrics during Native American Flute Playing” (with Eric B. Miller). *Nordic Journal of Music Therapy*, April 29, 2014, <http://dx.doi.org/10.1080/08098131.2014.908944>
- “Your Brain on Flute” (with Eric Miller), *WFS Overtones*, May 2014, volume 2, pages 10–14.
- “An Exploration of Physiological Responses to the Native American Flute” (with Eric B. Miller). ISQRMM 2013, Athens, GA, January 24, 2014, <http://arxiv.org/abs/1401.6004>
Also available in the *Second Biennial Conference of the Interdisciplinary Society for Quantitative Research in Music and Medicine*, Steve Jackowicz (editor), pages 95–143, ISBN 978-1-62266-036-7.
- “Dynamic Metrics of Heart Rate Variability” (with Eric B. Miller). August 29, 2013, 4 pages,
<http://arxiv.org/abs/1308.6018>
- “Intraoral Pressure in Ethnic Wind Instruments”. August 21, 2013, 16 pages, <http://arxiv.org/abs/1308.5214>
- “Lessons on Lessons”, INAFA Voice of the Wind, May 2012, volume 2, pages 13–15.
- “This is my Music”, INAFA Voice of the Wind, February 2012, volume 1, pages 13–14.
- “Widening the Circle”, INAFA Voice of the Wind, May 2009, volume 2, pages 4–5.
- “Right in Tune”, INAFA Voice of the Wind, November 2008, volume 4, pages 15–17.
- “Nudge, Nudge”, INAFA Voice of the Wind, August 2008, volume 3, page 7.
- “A Room Full of Flute Players”, INAFA Voice of the Wind, August 2007, volume 3, pages 6–8.

“The Facilitators’ Corner” – Quarterly Column in *Overtones*, published by the World Flute Society

- “Room Setup”, February 2019, volume 1.
- “Powerful Solos”, November 2018, volume 4.
- “Ethnographic Recordings”, August 2018, volume 3.
- “Larger Groups”, May 2018, volume 2.
- “Flute Psych 101”, February 2018, volume 1.
- “Taqsim”, November 2017, volume 4.
- “Philosophers on Flutes”, November 2017, volume 4.
- “Songwriting”, August 2017, volume 3.
- “Playing Nine Emotions”, February and May 2017, volumes 1 and 2.
- “Distractions”, November 2016, volume 4.
- “Duet Games”, August 2016, volume 3.
- “Flute Choirs”, May 2016, volume 2.
- “Support and Shift”, February 2016, volume 1.
- “Thriving Flute Circles”, November 2015, volume 4.
- “Keyboards in the Circle”, May and August 2015, volumes 2 and 3.
- “Facilitating with Rhythm” (with Mary Knysh), February 2015, volume 1.
- “Listening”, November 2014, volume 4.
- “Warming Up”, August 2014, volume 3.
- “Acceptance”, May 2014, volume 2, pages 25–27.
- “Exploring the Voice” (with Lynn Miller), February 2014, volume 1, pages 18–20.
- “Ensembles”, November 2013, volume 3, pages 14–16.
- “Success for All”, August 2013, volume 2, pages 7–8.
- “Rounding the Circle”, May 2013, volume 1, pages 15–17.

Mary Youngblood songbooks

- *Beneath the Raven Moon* (song book, Mary Youngblood, compositions; Clint Goss, transcriptions). Oregon Flute Store, Vida, OR, 122 pages, 2005, ISBN 0-9719606-4-X (978-0-9719606-4-0).
- *Heart of the World* (song book, Mary Youngblood, compositions; Clint Goss, transcriptions). Oregon Flute Store, Vida, OR, 56 pages, 2004, ISBN 0-9719606-1-5 (978-0-9719606-1-9).
- *The Offering* (song book, Mary Youngblood, compositions; Clint Goss, transcriptions). Oregon Flute Store, Vida, OR, 136 pages, 2003, ISBN 0-9719606-3-1 (978-0-9719606-3-3).

Recordings

All recordings are produced by Clint Goss on the Manifest Spirit Records label. Music published by Manifest Spirit Music/ASCAP, Second Spirit Music/BMI, and Rhythm Spirit Music/SESAC.

- *Flute Haven Journeys*. January 2013.

- *From War to Peace – Transforming Generational Trauma into Healing*. Dr. Ani Kalayjian, August 2010.
- *Alba*. Eugene Carr, with Peter Dubner and David Rudge, July 2010, www.Alba-CD.com
- *The Listening Book and The Musical Life*. W. A. Mathieu, November 2008, www.ListeningBookAudio.com
- *JazzGrass*. Eric Miller, February 2008, www.JazzGrass.net
- *The Darling Conversation*. David Darling and Julie Weber, December 2007, www.DarlingConversations.com
- *Mystic Song*. Lynn Miller, September 2007, www.ManifestSpirit.com
- *NAFTracks* – a series of four backing-track CDs for Native Flute players. February 2008, December 2008, August 2009, and December 2009 – www.NAFTracks.com
- *SpiritGrass*. Clint Goss and Eric Miller, with David Darling and Lynn Miller, September 2006, www.SpiritGrass.com

Web Sites

- www.Flutopedia.com – an Encyclopedia for the Native American flute. 665 web pages, as of Version 3.41.
- www.FluteCast.com – A collection of dozens of educational videos for Native American flute players.
- www.NativeFluteHandbook.com – A freely accessible, 428 PDF book on the Native American flute and music facilitation.
- www.ClintGoss.com
- www.NativeFluteSchool.com
- www.ReturnToChild.com
- www.ListeningBook.com
- www.FluteHaven.com
- www.ManifestSpirit.com
- www.NAFTracks.com
- www.SpiritGrass.com
- www.DarlingConversations.com

Computer Science Publication History

- “MICRO SPITBOL” (with Robert B. K. Dewar and Martin Charles Golumbic), New York University, Courant Institute Technical Report No. 11, October 1979, revised August 28, 2013.
ArXiv: <http://arxiv.org/abs/1308.6096>
- *Machine Code Optimization – Improving Executable Object Code*, Ph.D. Dissertation, New York University, Courant Institute Technical Report No. 246, June 1986, revised August 22, 2013.
ArXiv: <http://arxiv.org/abs/1308.4815> and <http://www.ClintGoss.com/mco/>
- *Compilers Using a Universal Intermediate Language* (with Peter Whyte and Richard Rosenberg), U.S. Patent #4,667,290, 1987.
- “Optimizing Compilers” (with Mark S. Meretzky and Benny Pollak), Proceedings of the 1986 UniForum Conference.
- “Optimizing Compilers Satisfy Heavy Processing Needs” (with Mark S. Meretzky), Computer Design, August 1985.

- “Optimizing Compilers Decrease Native Code and Speed Execution”, Computer Technology Review, Summer 1985, pages 25–30.
- “Macro Substitutions in MICRO SPITBOL – a Combinatorial Analysis”, (with Martin Charles Golumbic and Robert B. K. Dewar), Proc. 11th Southeastern Conference on Combinatorics, Graph Theory and Computing, Congressus Numerantium 29, Utilitas Math., Winnipeg, Canada, 1980, pages 485–495.
- “The NYU Ada Translator and Interpreter” (with Robert B. K. Dewar, et al), Proceedings of the ACM-SIGPLAN Symposium on Ada programming language, pages 194–201, 1980, ISBN 0-89791-030-3, <http://dx.doi.org/10.1145/800004.807950>.
Also published in ACM SIGPLAN Notices, Volume 15, Number 11, November 1980, <http://dx.doi.org/10.1145/948632.948659>
- “Perfect Elimination and Chordal Bipartite Graphs” (with Martin Charles Golumbic), Journal of Graph Theory, Volume 2, Number 2, pages 155–163 (Summer 1978). <http://dx.doi.org/10.1002/jgt.3190020209>

Education and Training

- New York University – B.A., M.S., and Ph.D., all in Computer Science, completed in 1986.
- Commercial Pilot with Instrument and Flight Instructor ratings.
- Certified Music Facilitator, Music for People (www.MusicForPeople.org), October 2007.

July 2018